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No. 7] NEW DELHI, SATURDAY, FEBRUARY 14, 1976 (MAGHA 25, 1897)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS
Calcutta, the 14th February, 1976

CORRIGENDUM

In the Gazette of India, Part III, Section 2, dated 20th December, 1975 at page 875, Column-I under the heading "Application for Patents filed at the Madras Branch" after 6th November, 1975 delete the entry "165/Mas/75 V. Madanagopal. Complete modification on" and insert "166/Mas/75, Eddy Gopalakrishna Rao. Structural Modules".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

8th January, 1976

46/Cal/76. Johns-Manville Corporation. Method & apparatus for eliminating external hot gas attenuation in the rotary fiberization of glass.

47/Cal/76. Siemens Aktiengesellschaft. Improvements in or relating to PCM regenerators, (January 17, 1975).

48/Cal/76. S. K. Bain. Improvements in or relating to air ship.

49/Cal/76. S. K. Bain. Pneumatic column adapted to be used for various applications such as pontoon bridges, rafts, dredgers and collapsible vertical columns.

457GI/75

- 50/Cal/76. S. K. Bain. A direct action engine.
- 51/Cal/76. P. C. Wadhvana. Bobbin holder.
- 52/Cal/76. Lucas Industries Limited. Cycles. (January 21, 1975).
- 53/Cal/76. Lucas Industries Limited. Cycle gear selector. (January 21, 1975).
- 54/Cal/76. Lucas Industries Limited. Electrical switch. (January 21, 1975).
- 55/Cal/76. Lucas Industries Limited. Electrical switch. (January 21, 1975).
- 56/Cal/76. Lucas Industries Limited. Cycles. (January 21, 1975).
- 57/Cal/76. Lucas Industries Limited. Battery support. (January 21, 1975).
- 58/Cal/76. Lucas Industries Limited. Cycle. (February 27, 1975).
- 59/Cal/76. Deepsea Ventures, Inc. Refining of manganese oxide ores.
- 60/Cal/76. Davy Powergas Inc. Process for treating sulphate-containing purge from SO₂ recovery process.
- 61/Cal/76. Hoechst Aktiengesellschaft. Polyethylene composition for the extrusion of pipes and flakes of low surface resistance.

9th January, 1976.

- 62/Cal/76. Union Carbide Corporation. Method and apparatus for conveying and/or heating coal particles in a dense phase flow.
- 63/Cal/76. Intersports Systems International, Ltd. Improved posture improving device.
- 64/Cal/76. A. I. Eguia. Improved cartridge.
- 65/Cal/76. J. B. Pena. Device for cleaning/disinfecting the nasal passages.

12th January, 1976.

- 66/Cal/76. Council of Scientific and Industrial Research. An improved method and apparatus for making spherical aluminium particles.
- 67/Cal/76. Council of Scientific and Industrial Research. Differential evaporative solarimeter.
- 68/Cal/76. Council of Scientific and Industrial Research. Stirling Cycle reciprocator.
- 69/Cal/76. Council of Scientific and Industrial Research. Platinum resistance micromanometer.
- 70/Cal/76. Council of Scientific and Industrial Research. Electrochemical preparation of benzylamine and betaphenylethylamine.
- 71/Cal/76. Metal Box Limited. Containers. (January 13, 1975).
- 72/Cal/76. Midland-Ross Corporation. Railway car coupler.
- 73/Cal/76. Climax Plastic Udyog. Compression type detachable pipe couplings.
- 74/Cal/76. Johnson & Johnson. Tretinoïn in a gel vehicle for acne treatment.
- 75/Cal/76. Chicago Pneumatic Tool Company. Safety inlet air valve control arrangement for air powered hand held tool.
- 76/Cal/76. Union Carbide Corporation. Method for making instantaneous scarfing starts.
- 77/Cal/76. Union Carbide Corporation. Apparatus for making an instantaneous scarfing start.
- 78/Cal/76. Vulcan Cincinnati, Inc. Urea manufacture.
- 79/Cal/76. Aluminum Company of America. Dustless powder.

14th January, 1976

- 80/Cal/76. BASF Aktiengesellschaft. Transfer printing of cellulosic fabrics and transfer for use therein.
- 81/Cal/76. K. N. Pal and R. K. Pal. Improvement in or relating to water lifting system.
- 82/Cal/76. Automatic Braiding Company (Nottingham) Limited. Improvements in the manufacture of rubber strips. (January 24, 1975).
- 83/Cal/76. O. S. Gray. Process and equipment for treating seeds and product thereof.
- 84/Cal/76. Siemens Aktiengesellschaft. Apparatus for monitoring the level of liquid in a vessel.
- 85/Cal/76. Johns-Manville Corporation. Method and apparatus for eliminating external hot gas attenuation in the rotary fiberization of glass.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

30th December, 1975

- 214/Mas/75. Capt. K. K. S. Kumaran. Method of making a floating object unsinkable.
- 215/Mas/75. V. Joshua. A buoyant structure.

3rd January, 1976

- 1/Mas/75. C. N. Karunakaran. Match box.

5th January, 1976

- 2/Mas/76. C. N. Rao. Semi automatic digital hammer.

- 3/Mas/76. C. I. Seshagiri Rao. Crusher set for milling sugar cane.

9th January, 1976

- 4/Mas/76. Nilgiri Mittu. Increase engine power and improve fuel economy.

- 5/Mas/76. K. R. Marumalarchi. A way of running an engine without using the usual fuel.

ALTERATION OF DATE

138526. } Post-dated 11th October, 1974.
182/Mas/73. }

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F₂b. I.C.-C07g 5/00.

130397.

PROCESS FOR THE MANUFACTURE OF HYOSCINE (SCOPOLAMINE) OR ITS SALT IN A PURE FORM FROM PLANT MATERIAL OF SPECIES SUCH AS DATURA STRAMONIUM OR ATROPA BELLADONNA WHICH CONTAINS THE TOTAL ALKALOIDS CONSISTING OF HYOSCYAMINE AND HYOSCINE.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFT MARG, NEW DELHI-1, INDIA.

Application No. 130397 filed February 26, 1971.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A process of preparing hyoscine (scopolamine) in a pure form from plant material of species such as *Datura stramonium* which contains the total alkaloids consisting of hyoscyamine and hyoscine which consists of the following steps, namely

(a) isolating the total alkaloids from *Datura stramonium* by macerating the 16 mesh powder of the leaves with 10% ammonia and extracting with benzene, ethylene dichloride or

toluene, and obtaining the total alkaloids by shaking the benzene extract with dilute sulphuric acid, basifying with alkalies and extracting the alkaloids with chloroform, and concentrating the chloroform extract to obtain the total alkaloids in fairly pure form,

(b) fractionating hyoscine and hyoscyamine by dissolving the total alkaloids in normal sulphuric acid, neutralising the acidic solution with sodium bicarbonate to a pH 5-6 and extracting with chloroform when hyoscine (scopolamine) is fractionally extracted leaving behind hyoscyamine, and

(c) purifying scopolamine by preparing scopolamine hydrobromide by reacting with hydrobromic acid in acetone solution; the mixture on allowing to stand overnight in ice chest gives hyoscine hydrobromide.

CLASS 32F₂b & 55D₂. I.C. CO7d 5/04, 5/16, 5/36, 95/00, 99/10. 138487.

PROCESS FOR THE PREPARATION OF N-AMINOSULFENYLATED DERIVATIVES OF CARBOFURAN.

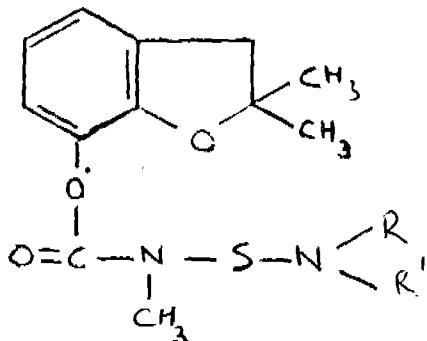
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, OF 521 UNIVERSITY HALL, 2200 UNIVERSITY AVENUE, BERKELEY, CALIFORNIA 94720, UNITED STATES OF AMERICA.

Application No. 1419/Cal/74 filed June 26, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A process for the preparation of a compound of the formula as shown in the accompanying drawings.



where R and R' may be the same or different and each is alkyl of 1 to 8 carbon atoms, cycloalkyl of 3 to 6 carbon atoms, or benzyl, or R and R' taken together with the nitrogen form a heterocyclic ring of 5 to 8 members which may contain an -O-, -S-, or -NR"-linkage where R" is lower (1 to 4 carbons) alkyl, benzyl, or phenyl, which heterocyclic ring may have one or more substituents selected from lower alkyl aralkyl aryl, or lower alkoxy, with the provisos that (1) the total number of carbon atoms in said substituents is 1 to 8 inclusive, (2) the number of alkoxy substituents on the heterocyclic ring is zero to one, and (3) the number of substituents on a carbon adjacent to the nitrogen atom bonded to the sulphenyl sulfur is zero to one characterized in that a sulphenyl halide of the formula X-S-NR', where X is halogen and R and R' are as defined above, is reacted with carbofuran in the presence of base, and the compound is recovered.

CLASS 145B. I.C. D21c 1/00. 138488.

OXYGEN DELIGNIFICATION PROCESS.

CANADIAN INDUSTRIES LIMITED, OF 630 DORCHESTER BLVD. WEST MONTREAL, QUEBEC H2C 2R3, CANADA.

Application No. 894/Cal/74 filed April 19, 1974.

Convention date April 26, 1973 (19794/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims. No drawings.

A process for the delignification of lignocellulosic material which comprises the steps of

(1) treating lignocellulosic material in a closed reaction vessel with a pulping liquor containing alkali metal hydroxide with or without admixture of alkali metal sulphide at a temperature in the range 160°C to 195°C for a period of not greater than 120 minutes and preferably not greater than 90 minutes, the temperature and period of treatment being adapted to provide a pulp yield of 55% to 65% by weight.

(2) displacing the pulping liquor from the lignocellulosic material with water, or an aqueous solution of alkali metal hydroxide.

(3) treating the lignocellulosic material without prior delibration at a consistency of 2.0% to 30.0% by weight in aqueous suspension for 0.5 to 30 minutes at 20°C to 90°C with 2.0% to 20.0% by weight of alkali metal hydroxide.

(4) treating the alkaline lignocellulosic material in aqueous medium at a consistency of from 3.0% to 35.0% by weight with oxygen or an oxygen-containing gas for 10 to 120 minutes at a temperature of 80°C to 14°C and a partial pressure of oxygen of 30 to 200 pounds per square inch, and

(5) washing the oxygen treated lignocellulosic material with water.

CLASS 32B. I.C. CO7c 9/04. 138489.

PROCESS FOR THE PRODUCTION OF A METHANE-CONTAINING GAS.

KRUPP-KOPPERS GMBH (FORMERLY KNOWN AS HEINRICH KOPPERS GESELLSCHAFT MIT BESCHRANKTER HAFTUNG), OF MOLTKESTRASSE 29, 43 ESSEN, WEST GERMANY.

Application No. 427/Cal/74 filed February 28, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A process for the production of a methane-containing gas having a methane content of 40—99% by volume from a starting gas containing carbon monoxide (CO), carbon dioxide (CO₂) and hydrogen, wherein the starting gas is converted into a gas containing 40.99% methane by being subjected to conversion of CO to CO₂ and hydrogen by catalysed reaction with steam in a plurality of stages and to methanization of carbon oxides by catalysed reaction with hydrogen in at least two stages, the first methanization stage following the first conversion stage and the second methanization stage following the last conversion stage, CO₂ being washed from the product of the second methanization stage and aqueous condensate being injected into the hot gases from the first methanization stage upstream of the second and any subsequent conversion stages, the said condensate being obtained from the gas both upstream and downstream of the second methanization stage.

CLASS 32F₂+F₂b. I.C. CO7c 61/06. 138490.

PROCESS FOR THE MANUFACTURE OF PROSTANOIC ACID DERIVATIVES.

IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, S. W. 1, ENGLAND.

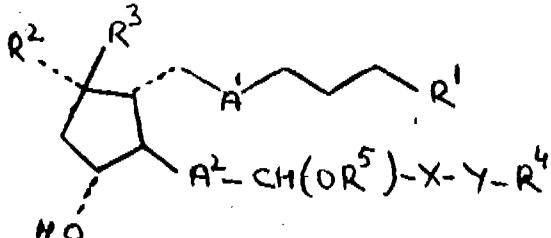
Application No. 2133/Cal/73 filed September 19, 1973.

1 Claim.

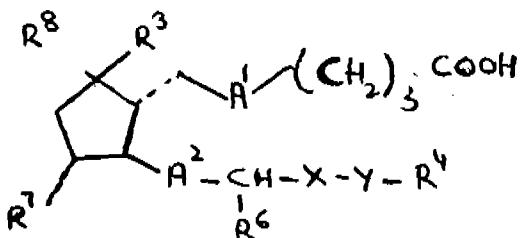
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A process for the manufacture of a prostanic acid derivative of the formula I.



wherein R¹ is a carboxy radical or an alkoxy carbonyl radical of 2 to 11 carbon atoms, either R² is a hydroxy radical and R³ is a hydrogen atom or R² and R³ together form an oxo radical, A¹ is an ethylene or vinylene radical, A² is an ethylene or trans-vinylene radical, either X is an alkene radical of 1 to 3 carbon atoms bearing 0, 1 or 2 alkyl substituents each of 1 to 3 carbon atoms and Y is an oxygen atom or a direct bond, or X and Y are each a direct bond, R⁴ is a thiazolyl, indolyl, benzimidazolyl, benzothiazolyl, pyridyl, pyrimidinyl, quinolyl, indolinyl, pyridazinyl, benz[b] furanyl or benzo[b] thienyl radical which is unsubstituted or is substituted by 1 to 4 halogen atoms or methyl or methoxy radicals, R⁵ is a hydrogen atom, which prostanic acid derivative is further unsubstituted or bears a methyl substituent on carbon atom 2 thereof, and for those compounds wherein R¹ is a carboxy radical, the pharmaceutically or veterinarilly acceptable base addition salts thereof, characterised in that a compound of the formula II.



wherein A¹, A², X, Y, and R⁴ have the meanings stated above, either R⁸ is a hydroxy radical and R⁹ is a hydrogen atom or R⁸ and R⁹ together form an oxo radical, and R⁹ and R¹ are each a tetrahydropyran-2-yloxy radical, or R⁹ is a hydrogen atom, R⁸ is an aroyloxy radical of up to 15 carbon atoms, R⁷ is a hydroxy radical or an aroyloxy radical of up to 15 carbon atoms and R⁶ is a hydroxy radical, which compounds II bears 0 to 1 methyl substituent on carbon atom 2 thereof, is hydrolysed under acidic or basic conditions in an aqueous or alcoholic solvent at ambient temperature or at an elevated temperature of upto 60°C and, if desired, converting the compounds of formula I into their pharmaceutically or veterinarilly acceptable base addition salts thereof by methods known per se.

CLASS 32F.b. I.C. CO7d 9/00.

138491.

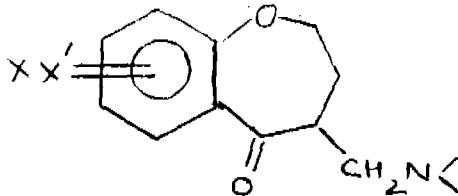
A PROCESS FOR THE SYNTHESIS OF 4-SUBSTITUTED AMINOMETHYL-3, 4-DIHYDRO-1-BENZOXEPIN-(2H) 5-ONES.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW-DELHI-1, INDIA.

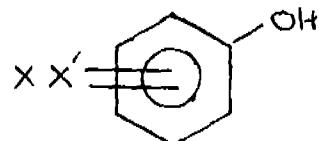
Application No. 2079/Cal/73 filed September 12, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

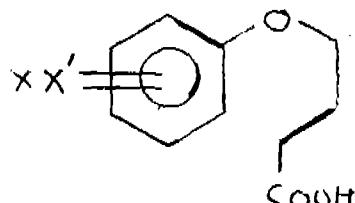
A process for the preparation of 4-substituted aminomethyl-3, 4-dihydro-1-benzoxepin-(2H) 5-ones of the formula IV, shown in Fig. 1.



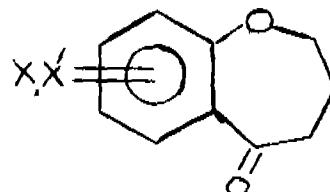
wherein X' may be H, CH₃ or OCH₃ at position-7 and X may be H, OCH₃ or OCH₃ at position-8 following the scheme outlined in Fig. 1, comprising reacting alkali metal salts of substituted phenols of formula I.



wherein X' may be H, CH₃ or OCH₃ at position-4 and X may be H, CH₃ at position-3, with γ-butyrolactone in presence of sodium ethoxide to obtain the corresponding γ-phenoxy butyric acids of the formula II.



which on treatment with polyphosphoric acid is converted to 3, 4-dihydro-1-benzoxepin-(2H) 5-ones of the formula III.



wherein X and X' are as defined for formula IV and refluxing the ketone of the formula III with paraformaldehyde and an appropriate amine hydrochloride in a protic solvent such as EtOH or MeOH containing a few drops of conc-HCl.

CLASS 154H. I.C. DO6p 3/10, 3/22.

138492.

PROCESS FOR FIXING PRINTS WITH REACTIVE DYE-STUFFS ON TEXTILE MATERIALS OF NATIVE OR REGENERATED CELLULOSE AND MIXTURES THEREOF WITH SYNTHETIC FIBERS.

HOECHST AKTIENGESELLSCHAFT OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Application No. 1494/Cal/73 filed June 26, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Process for fixing prints with reactive dyestuffs on textile materials of native or regenerated cellulose fibres and fibre mixtures which contain such fibers in admixture with synthetic fibers, which process comprises first applying in a conventional manner the required dyestuff to the fabric, drying the

so treated fabric followed by impregnating the fabric with alkaline solution and fixing the same in a conventional manner characterized in that an alkali mixture of liquid alkali water glass of 37—52°B_E and concentrated sodium hydroxide solution of 38—50°B_E at pH 10.14, preferably 11—12 is used as said alkaline solution for impregnation.

CLASS 32F_b+F_c. I.C. C07d 87/46, 29/34, 29/36, C07c149/00.

PROCESS FOR THE PREPARATION OF ORGANIC COMPOUNDS CONTAINING A MERCAPTOETHYL GROUP.

DEUTSCHE GOLD-UND SILBER-SCHEIDEANSTALT VORMALS & ROESSLER, OF 9 WEISSFRAUENSTRASSE, FRANKFURT (MAIN), FEDERAL REPUBLIC OF GERMANY.

Application No. 80/Cal/73 filed January 10, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

Improvements in or relating to a conventional process for the preparation of organic compounds having mercapto ethyl groups in which ethylene sulphate is reacted with the required nucleophilic compounds where in the improvement comprises in that the ethylene sulphide is prepared by reacting a watery solution of thicyante with ethylene oxide in the presence of an inert organic agent not miscible with water and subsequently reacting the organic phase of the reaction phase of the reaction product containing ethylene sulphide, with the required nucleophilic compounds.

CLASS 32F_b+F_c & 55E_a. I.C. A61K, 27/00, C07C, 161/00, 138494.

PROCESS FOR THE PREPARATION OF AROMATIC 2-IMINO-1, 3-DI THIETANE COMPOUNDS.

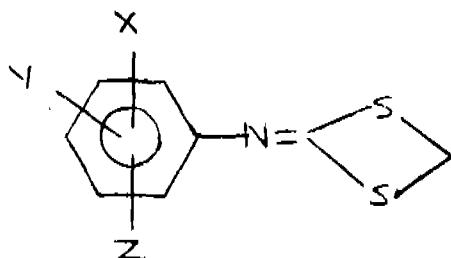
AMERICAN CYANAMID COMPANY, OF WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.

Application No. 76/Cal/73 filed January 10, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

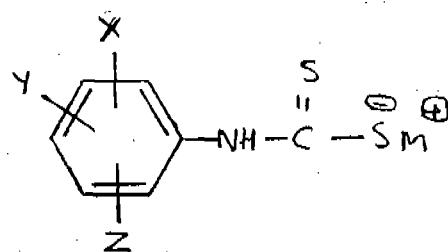
4 Claims.

A process for the preparation of compounds of the formula II.



wherein X, Y and Z each are hydrogen, halogen, hydroxy, R(M)n, phenoxy, monohalophenoxy, nitro, trihalomethyl, cyano, isothiocyanato, carbofuranalkoxy C₁-C₆, diloweralkylamino, monoloweralkylamino, or 1, 3-dithietaryl-1-deneamino, R is alkyl C₁-C₆, cycloalkyl C₅-C₈, alkenyl C₂-C₆, or alkynyl C₂-C₆; M is sulfur or oxygen; n is an integer of 0 or 1; and when two of X, Y and Z are taken together on adjacent carbons they may form a benzo group with the proviso that X, Y and Z cannot each be hydrogen and that when one of

X, Y and Z is halogen or lower alkyl, at least one of the remaining substituents must be other than hydrogen, characterized by reacting a compound of the formula III.



wherein X, Y and Z are as defined above, with a compound of formula CH₂Q, wherein Q is halogen, in the presence of a base.

CLASS 32A_b+154D+G. I.C. C09b 11/04, 11/26. 138495.

TRANSFER SHEETS FOR USE IN PRESSURE-SENSITIVE COPYING SYSTEMS.

WIGGINS TEAPE LIMITED, OF GATEWAY HOUSE, 1, WATLING STREET, LONDON E.C. 4, ENGLAND.

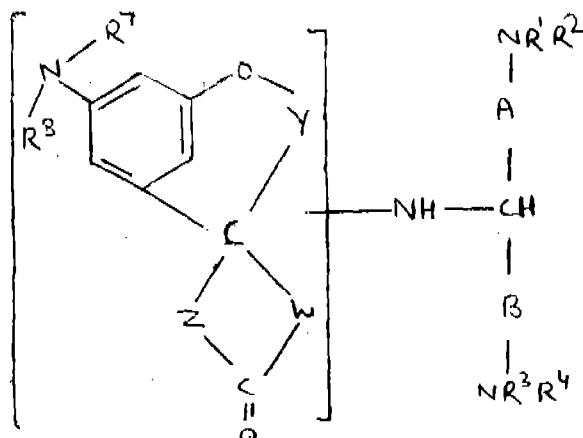
Application No. 2216/72 filed December 22, 1972.

Convention date December 30, 1971 (60730/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

32 Claims.

A transfer sheet, for use in a pressure-sensitive copying system, comprising a support material having on one surface thereof a coating composition containing one or more colourless colour formers of the general formula I.



wherein Y represents a 1, 2-arylene radical; Z represents a 1, 2-phenylene radical; W represents oxygen or a group of the formula -NR⁶- in which R⁶ denotes hydrogen or an alkyl or aryl radical; A and B each independently represents a 1, 4-phenylene residue; each of R¹, R², R³ and R⁴ independently represents an alkyl, aralkyl or cycloalkyl radical, or each of R¹ and R² and/or R³ and R⁴ form, together with the attached nitrogen atom, a heterocyclic ring which may or may not contain a further hetero-atom; each of R⁷ and R⁸ independently represents an alkyl radical; and the -NH₂ group is attached to Y or Z, or is attached as one substituent of the sole substituent of R⁶, the colour former thus containing

within the same molecule two potential chromophoric systems, each of which is capable of being activated substantially immediately when the compound is brought into contact with one or more acidic activating substances.

CLASS 72B. I.C. C06b 1/04, 5/04, 7/00, 19/06. 138496.

EXPLOSIVE COMPOSITIONS.

CANADIAN INDUSTRIES LIMITED, OF 630 DORCHESTER BLVD. WEST, MONTREAL 101, PROVINCE OF QUEBEC, CANADA.

Application No. 1994/72 filed November 27, 1972.

Convention date 30th November 1971 (55495/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims. No drawings.

An explosive composition comprising oxygen-supplying salts fuels, sensitizers and optionally, water and water thickening agent characterized in that the sensitizer component is a liquid hydroxyalkyl mononitrate.

CLASS 128G+K. I.C. A61b. 17/04. 138497.

A SWAGED NEEDLE-SUTURE COMBINATION.

ETHICON, INC., OF SOMERVILLE, NEW JERSEY, U.S.A.

Application No. 1144/Cal/73 filed May 15, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A swaged, needle-suture combination wherein that end of the suture that is swaged to the needle having an axial recess/hole for the purpose is coated with a biologically inert/non-toxic resin and of smaller diameter than the length of suture which extends from the needle; said needle-suture combination being characterized by a suture pull-out value of about 3 to about 26 ounces.

CLASS 48C & 63B. I.C.-B65h 54/08, H01b 3/18, 3/30, 3/50, H02K 3/30, 3/32, H01f 5/06, D03d 15/02. 138498.

AN ELECTRICAL INSULATED BINDING TAPE AND METHOD OF MAKING SAME.

WESTINGHOUSE ELECTRIC CORPORATION, OF PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 2006/72 filed November 28, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

32 Claims

An electrical insulating binding tape for wrapping conductors prior to impregnation with a solventless resin comprising a woven ribbon having glass fibres in the fill direction and flexible, thermally-stable fibres such as hereinbefore described capable of being elongated by at least 2% in the warp direction, said ribbon being coated with a dry resin composition cured beyond the B stage and capable of being swollen by said solventless impregnating resin, said tape having a rough-textured surface of the type as herein defined.

CLASS 164C. I.C.-C02C 1/10. 138499.

METHOD AND APPARATUS FOR OXYGENATING WASTE LIQUID.

HOUDAILLE INDUSTRIES, INC., OF ONE M & T PLAZA, BUFFALO, NEW YORK 14203, UNITED STATES OF AMERICA.

Application No. 1563/72 filed October 4, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A method of oxygenating waste liquid comprising the steps of conducting pressurized liquid through the throat of a nozzle to produce a high velocity liquid stream, directing the stream downwardly through an oxygen-containing gas environment to the surface of the liquid, and positioning an elongated open-ended aspirator tube within the liquid below the surface thereof and in axial alignment with the stream for receiving the stream at the upper end of said tube and discharging same from the lower end of the tube the axial length of said aspirator tube being about 30 to 40 times the diameter of said throat, the inside diameter of said aspirator tube being approximately 3 times the diameter of said throat, and the pressure of the liquid at said throat being approximately 8 to 10 p.s.i.g.

CLASS 146. I.C.-A61b 5/10. 138500.

APPARATUS FOR USE IN MONITORING TENSILE STRESSES IN CONTINUOUSLY TRAVELLING WEBS OF MATERIAL.

SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Application No. 2525/Cal/73 filed November 16, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Apparatus for use in monitoring tensile stresses in continuously travelling webs of material, comprising a duct and a plurality of chambers in at least one row which extends along the duct, each chamber having an opening at one extremity and there being throttle apertures at the opposite extremities of the chambers through which fluid can be supplied to the chambers from the duct, means for supplying fluid to the chambers via the duct and means for monitoring the static fluid pressure in at least one of the chambers, the apparatus being such that it can be operated so that the total cross-sectional area of the flow into each one of two chambers at or near opposite ends of the or each row is greater than the total cross-sectional area of the flow into a chamber at or near the middle of the row.

CLASS 147E. I.C.-G11C 11/00. 138501.

DATA RETRIEVAL SYSTEM FOR RETRIEVING DIGITAL DATA FROM A RECORD MEDIUM.

BURROUGHS CORPORATION, AT BURROUGHS PLACE, DETROIT, MICHIGAN, 48232, UNITED STATES OF AMERICA.

Application No. 1833/Cal/73 filed August 8, 1973.

Convention date July 23, 1973/(35090/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

In a data retrieval system for retrieving digital data from a record medium wherein the retrieved data is decoded by data windows synchronized to data clock signals, circuitry for generating dynamically skewed data windows comprising: means for generating phase error signals indicating the phase difference between the retrieved data and the data clock signals; and means for generating data windows displaced in time from their normal position, as dictated by the data clock signals, in response to the phase error signals from said phase error signal generating means.

CLASS 99B & 179C+E. I.C.-B65d 43/02. 138502.

A METHOD OF MAKING A CONTAINER.

SONOCO PRODUCTS COMPANY, OF HARTSVILLE, SOUTH CAROLINA, UNITED STATES OF AMERICA.

Application No. 1382/Cal/73 filed June 13, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A method of making a container comprising, forming a container end of the easy opening type, applying the said end to a container body, connecting a tab to the end by pressing and a score line defining a removable portion, preheating said end; applying hot melt material across said score line; building a container body, and seaming said end to said body, whereby a container is provided which has a protective shield on both the sharp edge of the removed portion and the residual lip portion remaining after removal of the removable portion.

CLASS 149B+C+C₅ I.C.-H0l 61/00. 138503.

PROCESS AND EQUIPMENT FOR MANUFACTURING EXHAUST TUBELESS ELECTRIC LAMPS.

EGYESULT IZZOLAMPA ES VILLAMPSSAGI RESZVENYTARSASAG, OF VACI UT 77, BUDAPEST IV, HUNGARY.

Application No. 935/Cal/73 filed April 19, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Process of manufacturing electrical gas discharge lamps without suction tube, mainly with ceramic or crystalline bulbs, characterized by filling into the bulb closed at one end by a closure member, the discharging substances (Hg, Na metallic salts), the other closure member provided previously with sealing material is fitted into the other end of the tube, ascertaining that the external matters shouls arrive into the sealed end of the tube on action of their own weight, and by heating the sealed end of the tube in vacuum, the discharge substances are degassed or evaporated, but letting meanwhile the remaining part of the tube, expediently 2/3 of the length to be cold, that the vapours of the discharge substance could there precipitate, and the end of the tube heated formerly is cooled to a temperature so low that on action of the heat originated by the sealing operation of the second closure member evaporated discharge substances could precipitate there again, and hereafter by local heating the other end of the tube, also the second closure member is sealed in.

CLASS 206F. I.C.-HO4b 1/06, HO4n 5/44. 138504.

EQUIPMENT FOR, DIVERSITY RECEPTION OF MICRO WAVE SIGNALS IN A TV TRANSMISSION SYSTEM.

TAVKOZLESI KUTATO INTEZET, OF 65 GABOR ARON UTCA, 1026, BUDAPEST-II, HUNGARY.

Application No. 971/Cal/73 filed April 25, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An arrangement for the realization of diversity reception of micro wave signals in a TV transmission system characterized in that it consists of a base-band signal divider circuit coupled with different outputs of the receivers, having more base-band inputs in accordance with the number of receivers, each input α and β has two correspondent outputs, one pair of which e and n being corrected to a correspondent input of the base-band switch whereas the other pair v and g being connected to the corresponding inputs of pilot signal and noise monitoring circuits, further that the pilot signal and noise monitor ring circuits have inputs v_1 , v_2 proportional to the level of the pilot signals and inputs e_1 , e_2 , characteristic to the level of the noise, and these outputs are connected to the corresponding inputs of a pilot-noise-video

monitoring and controlling circuit whereas the outputs X , λ of said pilot-noise-video signal monitoring and controlling circuit are connected to control inputs X , λ of the base-band switch and an IF switch, whereas the base-band signal divider has a further base-band output f which is connected to an input of the pilot-noise-video signal monitoring and controlling circuit, further that the base-band and/or intermediate frequency inputs of the base-band and IF switches are connected to the base-band and/or intermediate frequency outputs of the particular receiving channels.

CLASS 132C+D. I.C.-DO1g 13/00.

138505.

IMPROVED MIXER REFINER.

EDWARD H. CUMPSTON JNR., OF 43 MANUMENT AVENUE, OLD BENNINGTON, VERMONT 05201, UNITED STATES OF AMERICA.

Application No. 564/Cal/73 filed March 14, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A mixer-refiner for high viscosity material (as hereinbefore defined) comprising an internal rotor and a stator shell forming a cylindrical mixing region with confronting surfaces of said rotor and stator being configured for mixing and refining said material, at least one of said confronting surfaces being formed of a plurality of replaceable blocks having hard teeth; means for holding said blocks removably in place; and respective ones of said blocks having said teeth inclined at an angle to the direction of rotation of said rotor.

CLASS 132C+D. I.C.-DO1g 13/00.

138506.

IMPROVED MIXER REFINER.

EDWARD H. CUMPSTON JNR., OF 43 MANUMENT AVENUE, OLD BENNINGTON, VERMONT 05201, UNITED STATES OF AMERICA.

Application No. 566/Cal/73 filed March 14, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A mixer-refiner having a generally cylindrical stator and a coaxial internal rotor with confronting surfaces of said rotor and said stator configured for mixing and refining high-viscosity material (as hereinbefore defined), said mixer-refiner comprising:

(a) said confronting surfaces of said rotor and said stator each having discrete raised bars arranged and spaced to allow said material to move between said raised bars without plugging between said raised bars;

(b) a plurality of said raised bars on said rotor and said stator being inclined at an angle to the direction of rotation of said rotor, some of said inclined bars being oriented to feed said material and some of said inclined bars being oriented to retard said material;

(c) said stator having at least a majority of its bars oriented to feed said material;

(d) said inclined bars on said rotor having a feed orientation relative to feed of said material ranging from zero feed to a feed orientation less than said feed orientation of said inclined bars on said stator; and

(e) said raised bars on said rotor being configured for engaging said material, with sufficient force to move said material through said stator bars before any localised volume between said rotor and stator becomes completely filled with said material,

CLASS 32B & F₂a, I.C. CO7c 13/32.

138507.

A PROCESS FOR PREPARING BENZOBICYCLOALKANE COMPOUNDS.

AMERICAN HOME PRODUCTS CORPORATION, OF 685 THIRD AVENUE, NEW YORK-10017. NEW YORK, UNITED STATES OF AMERICA.

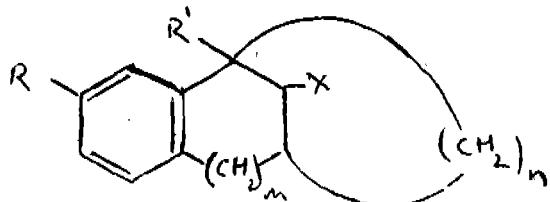
Application No. 1824/72 filed November 6, 1972.

Convention date November 29, 1971 (36248/71) Australia.

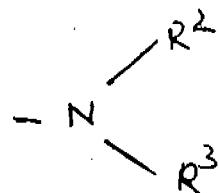
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

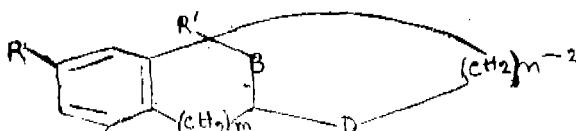
A process for preparing a benzobicycloalkane derivative of the general formula I.



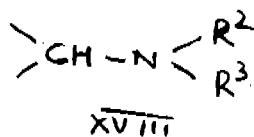
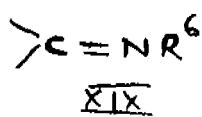
wherein X is a group of formula XVII.



R is hydrogen, lower alkyl, lower alkyloxy, hydroxy, acyloxy, phen (lower) alkyloxy, halogen or trifluoromethyl; R₁ is lower alkyl, phen (lower) alkyl, hydroxymethyl or (lower) alkenyl; R₂ is hydrogen, alkyl or phen (lower) alkyl; R₃ is hydrogen, lower alkyl, phen (lower) alkyl, alkenyl or alkynyl; m is 0 or 1; and n is an integer of from 2 to 6 and the pharmaceutically acceptable addition salts thereof which comprises reducing in known manner a compound of general formula XVI.



wherein R7 is alkoxy carbonyl, lower alkyl, lower alkenyl, hydroxymethyl of phen (lower) alkyl, D is -CH₂CH-, -CH-CH- or -CH (0 Tosyl)-CH₂-; B is a group of formula XVIII or XIX.

XVIIIXIX

except that if D is -CH₂CH-, B is not a group of formula XVIII, R is hydroxy, alkoxy or has the meaning of R2 given above except when R7 is alkoxy carbonyl R8 is not R2 and R, R2 and R8, m and n are as defined above and where the

groups R, R², and R⁸, in the formula I, so obtained are not the ones required, these are produced, if desired by one or more of the steps of lower alkylating, phen (lower) alkylating, alkenylating or alkynylating by known methods a compound of general formula I so obtained in which R⁸ is hydrogen to give a compound of general formula I in which R⁸ is lower alkyl, phen (lower) alkyl, alkenyl or alkynyl, or lower alkylating or phen (lower) alkylating by known methods a compound of a general formula (I) so obtained in which R² is hydrogen and R³ is lower alkyl, phen (lower) alkyl, alkenyl or alkynyl to give a corresponding compound in which R² is lower alkyl or phen (lower) alkyl or converting by known methods a compound of general formula (I) so obtained in which R has one meaning into a compound of general formula (I) in which R has a different meaning or converting a free base of general formula (I) so obtained into a pharmaceutically acceptable acid addition salt by treatment with an appropriate acid.

CLASS 44. I.C./GO4b, 19/06.

138508.

CALIBRATION OF DIALS FOR METRIC WATCHES.

FLT. LT. BRIJ BHUSHAN VIJ, C/O SHRI SHADI LAL MEHRA, HOUSE NO. 4154 (OLD 118), NAYA BAZAR, DELHI-110 006.

Application No. 2226/72 filed December 27, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A metric watch characterised in that the dial is having equal divisions for 10 metric hours, instead of 12 hours as presently used in watches i.e., time measuring devices and that the movement of hands is controlled by correspondingly changed 'gear ratio', in that the minute hand makes 10 revolutions to show the passage of day or night period, while the hour hand moves ONE revolution covering a period of 10 'metric hours'.

CLASS 55E1. I.C.-A61K 27/00.

138509.

A PROCESS FOR THE PREPARATION OF AN ANALGESIC COMPOSITION.

MUDGE & CO., INC., OF 2785 NORTH SPEER BOULEVARD, DENVER, COLORADO 80211, UNITED STATES OF AMERICA.

Application No. 2769/Cal/74 filed December 17, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A process for the preparation of a pharmaceutical composition, the process comprising mixing from 275 to 400 parts by weight of 3-(2-tolyloxy)-1, 2-propanediol; from 0.02 to 0.05 parts by weight of a tropane alkaloid, from 6 to 100 parts by weight of magnesium ions, and a physiologically acceptable carrier.

CLASS 63-I & 190A+D.

138510.

I.C.-H02n 11/00, FO3d 9/00, FO1b 23/10, FO1d 15/10.

A DEVICE FOR GENERATING ELECTRICAL ENERGY FROM WIND POWER.

KILAPALUR VENKATACHALA CHINNA RAJ, NO. 75, A/6, SALAI ROAD, THILLAINAGAR, TIRUCHIRAPPALLI-620018, TAMILNADU, INDIA.

Application No. 27/Mas/75 filed February 27, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims.

A device for generating electrical energy from wind power comprising at least one funnel-shaped member, the mouth at the diverging end and the tapering interior of which are adapted to receive and direct wind forcefully to the smaller mouth at the converging end thereof; at least one air-turbine disposed adjacent to, and rotatably driven by wind emerging from, the smaller mouth of the member, and at least one generator rotatably driven by the turbine to generate electrical energy.

CLASS 32F,b & 55E₂+E₄. I.C.-A61K 27/00, CO7D 51/42.

138511.

METHOD OF PREPARING PHARMACEUTICAL FORMULATION.

THE WELLCOMBE FOUNDATION LIMITED, OF 183-193 EUSTON ROAD, LONDON, N.W. 1., ENGLAND.

Application No. 19/Cal/74 filed January 3, 1974.

Convention date January 5, 1973 / (690/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

A method of preparing a clear solution of sulphonamide and sulphonamide potentiator suitable for oral or parenteral chemotherapy, in which the solution containing a chemotherapeutic amount of a sulfonamide in a medicinally acceptable water-miscible organic solvent and an effective sulphonamide potentiating amount of a water-soluble pharmaceutically acceptable monoacid addition salt of the sulfonamide potentiator, in water, characterised in that the sulphonamide, organic solvent, sulphonamide potentiator and a pharmaceutically acceptable acid are so admixed that the pH of the clear solution falls within the range of 2 to 7.

CLASS 32E. I.C.-CO8f 3/30.

138512.

PROCESS FOR THE PRODUCTION OF TRANSPARENT IMPACT-RESISTANT POLYMERS OF VINYL CHLORIDE.

LONZA LTD., OF GAMPEL/VALAIS (DIRECTION : BASLE), SWITZERLAND.

Application No. 1434/Cal/73 filed June 19, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A process for the production of transparent impact-resistant and weather-resistant polymers of vinyl chloride by polymerising vinyl chloride, optionally together with other copolymerisable monomers, in an aqueous dispersion according to the emulsion polymerisation process in the presence of copolymers of acrylic acid esters, characterised in that vinyl chloride or monomer mixtures containing at least 80 per cent by weight of vinyl chloride are polymerised in the presence of a dispersion of at least one copolymer of 65 to 95 per cent by weight of at least one acrylic acid ester containing 3 to 18 carbon atoms in the esters group with 35 to 5 per cent by weight of α -methyl-styrene, the copolymer having a mean particle diameter of 30 to 150 mu preferably 40 to less than 150 mu determined by soap titration, and being used in such an amount that the final polymer contains 4 to 20 per cent by weight of acrylic acid ester units.

CLASS 67C. & 187E₄. I.C.-HO^{4m} 15/02.

138513.

APPARATUS FOR REPEATING A DIALLING SIGNAL.

LEON WEISBREM, AT 41 LUMEAH ROAD, NORTH CAULFIELD, IN THE STATE OF VICTORIA, COMMONWEALTH OF AUSTRALIA.

2—457GI/75

Application No. 285/Cal/73 filed February 7, 1973.

Convention date February 14, 1972/(PA7948/72) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

Repeating apparatus for use in repeating a dialling signal produced by a dialling means of a telephone apparatus, said repeating apparatus comprising:

a memory capable of storing said dialling signal;

a dialling simulator capable of reproducing said dialling signal when stored in said memory;

a control device; and detector means;

said control device being responsive to production of said dialling signal by said dialling means to effect initial transmission of the dialling signal to a telephone line from the telephone apparatus to address the dialling signal to said memory, to effect said storing;

said control device being conditionable to actuate said dialling simulator to make one application of the dialling signal, as stored in said memory, to said telephone line and said detector means being capable of detecting failure to establish a call pursuant to said one application of the stored dialling signal;

said control device further being responsive to detection by said detector means of failure to establish a call after said application to repeatedly actuate said dialling simulator to repeatedly effect subsequent application of the stored dialling signal to said telephone line.

CLASS 186E. I.C.-HO_{4n} 9/28.

138514.

BEAM ADJUSTMENT APPARATUS FOR CONVERGING A PLURALITY OF SPACED APART COPLANAR ELECTRON BEAMS OF A CATHODE RAY TUBE.

RCA CORPORATION, OF 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK-10020, UNITED STATES OF AMERICA.

Application No. 436/Cal/73 filed February 28, 1973.

Convention date March 20, 1972/(12936/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Beam adjustment apparatus for converging a plurality of spaced apart coplanar electron beams of a cathode ray tube, characterised by a first assembly (25) adapted to be adjustably rotatably mounted around the neck region of said tube, said first assembly (25) including at least one set (25b) of a plurality of equally circumferentially spaced permanent magnets (27), all magnets of a set having like poles (N) disposed toward the center of said neck region for producing opposite direction motion of substantially only the outside ones of said beams; and a second assembly (24) adapted to be adjustably rotatably mounted around the neck region of said tube, said second assembly (24) including at least one set (24a) of a plurality of equally circumferentially spaced permanent magnets (27), all magnets of a set having like poles (S), disposed toward the center of said neck region for producing the same direction motion of substantially only the outside ones of said beams.

CLASS 15C+D. I.C.-F16C 33/28, EO1d 19/04.

138515.

A REINFORCED ELASTOMERIC BEARING BLOCK.

METAL ENGINEERING & TREATMENT CO., OF 235/2, BEPIN BEHARI GANGULY STREET, CALCUTTA-12.

Application No. 452/Cal/73 filed February 28, 1973.

2 Claims

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A reinforced bearing block of elastomer for the absorption and transmission of distortional forces, characterised in that it comprises at least one metallic insert integrally formed by impregnation in the elastomer whereby the elastomer covers said insert or inserts on all sides so as not to permit exposure of said insert or inserts.

CLASS 56D. I.C.-C13f 1/02. 138516.

FEED DEVICE FOR A CONTINUOUSLY OPERATING EVAPORATION CRYSTALLISATION PLANT.

SOCIETE FIVES LILLE-CAIL, OF 7, RUE MONTAUVET, 75383 PARIS CEDEX 08, FRANCE.

Application No. 944/Cal/73 filed April 21, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

Feed device for a continuously operating evaporation crystallisation plant of the kind including a closed cylindrical vat with vertical axis and internal heating arrangement, and the lower portion of which is divided into several compartments by radial partitions, characterised in that it includes a supply arm or ramp with spray orifices located inside the vat at the top portion and rotatable about a vertical axis above the partitions separating the compartments, and means for modifying as a function of the position of the ramp the volume of under-saturated solution which this latter discharges into each compartment over a sector of given width by variation of speed of the ramp or controlling the flow rate of the solution.

CLASS 32C. I.C.-C07g 7/00, C07g 7/026. 138517

PROCESS FOR THE PRODUCTION OF ORGOTIN RICH PROTEIN CONCENTRATE FROM RED BLOOD CELLS.

DIAGNOSTIC DATA, INC., OF 518, LOGUE AVENUE, MOUNTAIN VIEW, CALIFORNIA 94040, UNITED STATES OF AMERICA.

Application No. 1004/Cal/73 filed April 30, 1973.

Convention date December 4, 1972/(49582/72) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims. No drawings.

A process for the production of an orgotin-rich protein concentrate substantially free of hemoglobin and carbonic anhydrase from red blood cells which comprises the steps of heating at least the red blood cell portion of whole blood at a pH from 5—8 at which the hemoglobin precipitates and at a temperature of about 60—80°C; cooling the heated mixture; separating by method known per se, such as herein described, the precipitated proteins from the heated mixture; and separating by method known per se, such as herein described, the orgotin from the supernatant.

CLASS 39C & 40F. I.C.-B01j 1/00, C01C 1 00. 138518.

AMMONIA SYNTHESIS CONVERTER.

INSTYTUT NAWOZOW SZTUCZNYCH, OF 24—110 PULAWY 3, W PULAWACH, POLAND.

Application No. 1100/Cal/73 filed May 10, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A converter for ammonia synthesis wherein the reaction chambers containing catalyst beds as well as the heat exchanger for heating the cold feed gas with heat of the hot outlet gas are placed in a single high pressure vessel, wherein the said vessel is composed of a high pressure outer shell and a low pressure inner shell with clearance between the said shells for conducting the cold feed gas from the inlet points to the heat exchanger, wherein the said heat exchanger is provided with a by-pass for directing a part of the cold feed gas directly between the reaction chambers in order to lower the reaction temperature, characterised in that the high pressure vessel consists of a vertical cylinder joined with a horizontal one to form a single vessel wherein the lower end of the vertical cylinder is placed over the middle part of the horizontal one, wherein the said vertical cylinder contains the heat exchanger and the said horizontal cylinder contains the reaction chambers.

CLASS 32F₁+F₂a+F₃a. I.C. C07f 9/16. 138519

S-(α -SUBSTITUTED-ARYLMETHYLTHIO, -ARYL-METHYLSULFINYL, AND ARYLMETHYLSULFONYL)-METHYL PHOSPHORUS ESTERS.

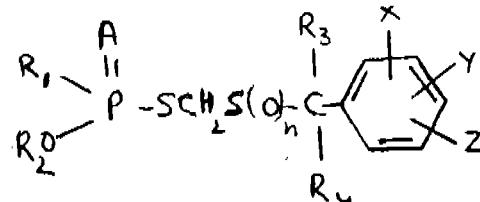
AMERICAN CYANAMID COMPANY, OF THE TOWNSHIP OF WAYNE, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

Application No. 1353/Cal/73 filed June 8, 1973.

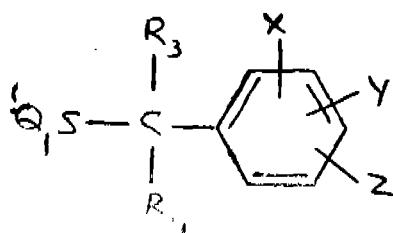
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

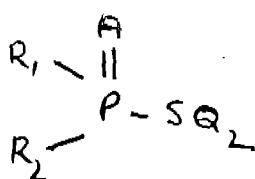
A method for the preparation of an organo-phosphorus compound of the formula 1.



whencein R₁ represents a member selected from the group consisting of C₁-C₄ alkyl, C₁-C₄ alkoxy, C₁-C₄ alkoxy-alkyl, C₁-C₄ alkoxy-alkylthio, C₁-C₄ alkylthio, phenyl and -NR₂R₃; R₂ is C₁-C₄ alkyl; R₃ represents a member selected from the group consisting of hydrogen C₁-C₄ alkyl, mono, di and trihaloalkyl C₁-C₄ and phenyl; R₄ is C₁-C₄ alkyl, and when R₅ and R₆ are taken together with the central carbon, they form a C₃-C₆ alicyclic ring; R₅ and R₆ each represent members selected from the group consisting of hydrogen and alkyl C₁-C₄; A represents a member selected from the group consisting of sulfur and oxygen; n represents an integer selected from 0, 1 and 2; X and Y each represent members selected from hydrogen, alkyl C₁-C₄ and halogen; and Z represents a member selected from the group consisting of hydrogen, C₁-C₄ alkyl, cyano, halogen, alkoxy C₁-C₄, C₁-C₄ alkylthio, CCl₃, CF₃, carb (lower) alkoxy C₁-C₄, nitro and sulfamoyl which comprises reacting a compound of formula II A.



wherein X, Y, Z, R₁ & R₂ are as defined before and Q₁ is either hydrogen or a methylene yielding group with a compound of formula IIIA.



where R₁ and R₂ are as defined before and Q₂ is either hydrogen or a methylene yielding group optionally in the presence of formaldehyde or formaldehyde yielding source, with the proviso that both Q₁ & Q₂ are not methylene yielding groups at the same time, optionally followed by an oxidation, in a conventional manner of the resulting organophosphorous compound to the corresponding sulfone or sulfoxide of said formula I

CLASS 29A & 147C. I.C.-G11C 11/00. 138520.

A DIGITAL STORAGE SYSTEM.

BURROUGHS CORPORATION, AT BURROUGHS PLACE, BETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

Application No. 1819/Cal/73 filed August 7, 1973.

Convention date May 15, 1973/(22973/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A digital storage system comprising a plurality of coaxial rotatable magnetic disks, magnetic heads operatively associated with each disk surface, serve means responsive to a digital cylinder number input for simultaneously positioning the heads at any selected one of a plurality of concentric track positions on the disk surfaces, switching means responsive to a digital head number input for connecting any selected one of the magnetic heads to a data input/output channel, the disks having the tracks divided into a plurality of numbered sectors, each sector having recorded thereon digital address information specifying the cylinder number, head number, and sector number of the sector, and control means responsive to input signals specifying the address of a selected sector for reading out recorded information from the sector identified by said address, the control means including means detecting any error in the recorded information read out from the addressed sector, means responsive to said detecting means when an error is detected for operating said switching means to switch the input/output channel to a particular head, and means for recording the same address information of the sector in which error was detected in one of the sectors of the tract associated with said particular head.

CLASS 185E. I.C.-A23f 3/02. 138521.

IMPROVEMENTS IN OR RELATING TO INSTANT TEA POWDER/CRYSTALS.

GABRIEL FRANCIS, OF "POLY VIEW", P.O. KURSEONG, DIST. DARJEELING, WEST BENGAL, INDIA.

Application No. 1933/Cal/73 filed August 22, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A method of making Instant Tea powder or crystals comprising the consecutive steps :—

(i) Blending of different variety of tea leaves for colour and flavour.

- (ii) Boiling/Soaking the above blended tea leaves in water to obtain extract in solution.
- (iii) Filtering of the said tea extract.
- (iv) Dehydration of said tea extract by further heating.
- (v) Cooling of the tea extract for lumping.
- (vi) Crushing of the lumps for crystals/powder.
- (vii) Drying the crystals and mixing them with pure sugar and milk powder.

CLASS 80J. I.C.-EO3b 3/18.

138522.

TUBE-WELL FILTER.

HIRA LAL CHATTERJEE, 45, KALI-MUMAR MAZUMDER ROAD, SANTOSH PUR, CALCUTTA-32, WEST BENGAL, INDIA.

Application No. 2533/Cal/73 filed November 19, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A tube-well filter consisting of a long vertical rigid polyvinyl chloride pipe having a series of slots over its whole body, the both ends of the said pipe being threaded to hold a threaded socket at one end and a threaded pressure ring at the other end, wherein the slots over the body of the pipe are covered by a series of flat faced rings of rectangular cross-section of rigid polyvinyl chloride.

CLASS 32F. & I.C.-CO7d, 71/00, 73/00, 75/00. 138523.

PROCESS FOR THE PREPARATION OF N-POLYHALOALKANESULFENYL SUBSTITUTED CARBAMOYLOXIMINO HETEROCYCLIC COMPOUNDS.

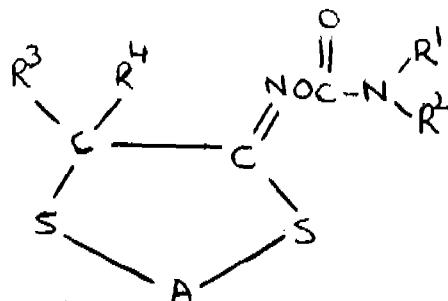
UNION CARBIDE CORPORATION, OF 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Application No. 1140/Cal/74 filed May 24, 1974.

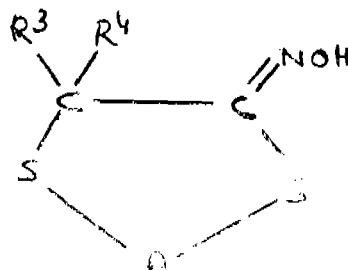
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A method of preparing a compound having the structural formula shown in Fig. 14.



which comprises reacting an oxime compound having the structural formula shown in Fig. 15.



with a carbamoyl fluoride compound having the structural formula shown in Fig. 16.



wherein : R¹ is lower alkyl having from 1 to 4 carbon atoms, phenyl or phenyl substituted with one or more halogen, acylamido, methylthio, methoxy, or alkyl substituents having from 1 to 4 carbon atoms or a methylenedioxy group;

R² is trihalomethanesulfenyl; R³ and R⁴ may be the same or different and are hydrogen, lower alkyl having from 1 to 6 carbon atoms, lower alkenyl having from 2 to 6 carbon atoms, halogen substituted alkyl having from 1 to 6 carbon atoms, alkoxyalkyl having a total of from 2 to 6 carbon atoms, alkylthioalkyl, alkylsulfinylalkyl or alkylsulfonylalkyl having a total of from 2 to 6 carbon atoms, phenyl, lower alkylphenyl in which the alkyl moiety consists of from 1 to 6 aliphatic carbon atoms halogen substituted phenyl, or methoxy;

A is methylene, ethylene, propylene, ethylene, propylene or methylene, thylene, propylene, ethylene or propylene substituted with one or more alkyl groups having from 1 to 3 carbon atoms.

CLASS 32F₂b & 55E₄. I.C.-CO7d 29/10, 29/12. 138524.

A PROCESS FOR THE PREPARATION OF A NOVEL SALT OF N-PHENYL-N-BENZYL-4-AMINO-1-METHYLPIPERIDINE.

KNOLL A. G. CHEMISCHE FABRIKEN, LUDWIGSHAFEN ON RHEIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 319/Cal/75 filed February 19, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

A process for the preparation of a novel salt of N-phenyl-N-benzyl-4-amino-1-methyl-piperidine which comprises reacting N-phenyl-N-benzyl-4-amino-1-methyl-piperidine base with citric acid in the presence of aqueous or organic solvent medium.

CLASS 55E₄. I.C.-A61K 27/00. 138525.

PROCESS FOR MANUFACTURING A PHARMACOLOGICALLY ACTIVE PRINCIPLE FROM COMMIPHORA MUKUL FOR USE AS BLOOD LIPID LOWERING AGENT.

DR. CHHAJURAM MANSARAM BHANOTRA, CHAIRMAN, PLANND PHARMA PRIVATE LIMITED, 80, MARINE DRIVE, BOMBAY-400002, MAHARASHTRA, INDIA.

Application No. 149/Bom/73 filed April 28, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

A process for isolating a pharmacologically active principle from Oleo-gum-resin of commiphora mukul for use as a lipid lowering agent wherein samples of Oleo-gum-resin of golden yellow variety from the bark of the plant commiphora Mukul are mixed with water till an emulsion is formed which is then passed through a mesh sieve into a container containing water to form globules; which are dried; extracted with ethyl alcohol, the residue is dried and then extracted with petroleum ether on a water bath by using the known

refluxing technique; the extract thus obtained is distilled on a water bath leaving a residue which is the pharmacologically active principle.

CLASS 107-I & 173A. I.C.-FO2m 7/02. 138526.

ATOMISER.

MRS. SARASVATI SESHRATNAM, PROPRIETRIX, M/S. STERLING COMPONENTS MSR INDUSTRIAL ESTATE, BANGALORE-560054, KARNATAKA STATE, INDIA.

Application No. 182/Mas/73 filed October 11, 1974.

Post dated to October 11, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims.

An atomiser comprising a flange made of ferrous or non-ferrous sheet metal, having a support structure integrally with it to hold and element consisting of a ferrous or non-ferrous cylinder about 30 mm. dia. and about 40 mm. length, having 2000 to 3500 tiny jets depending upon the cubic capacity of the cylinders of the engine.

CLASS 44. I.C.-GO40, GO6f 1/04. 138527.

AN ELECTRONIC SOLID-STATE NUMERIC OR DIGITAL WATCH OR CLOCK OR TIME KEEPING DEVICE.

JASBIR SINGH BAJAJ, 8, JAMSHEDJI TATA ROAD, CHURCHGATE, CITY OF BOMBAY, STATE OF BOMBAY, STATE OF MAHARASHTRA, INDIA.

Application No. 41/Bom/73 filed January 31, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims.

An electronic solid-state numeric or digital watch or clock or time keeping device, comprising a second pulse generator, a second closed timing ring, a second luminous dot or digital (numeric) ring display or a second numeric display, a minute closed timing ring, a minute luminous dot/line or digital (numeric) ring display or a minute numeric display, a hour closed timing ring, a hour luminous line or digital (numeric) ring display or a hour numeric display, the said second pulse generator being a free running (asiable) crystal (quartz) multivibrator or an oscillator adapted to have a period of oscillation of one second and to feed every one second pulse to the said second closed timing ring having sixty flip-flops or latches adapted to be actuated sequentially every second, the said second luminous dot or digital (numeric) ring display having sixty tiny indication bulbs or tailored made neon bulbs or tailored made dot/line or digital (numeric) solid state light emitting diodes or tailored made dot/line or digital (numeric) liquid crystal display, in a form to indicate sixty separate indication sections, or in the form of a ring adapted to be energised sequentially by the output's of flip-flops or latches of the said second closed timing ring, the said minute closed timing ring adapted to be stepped up every minute after every sixty seconds by the said second closed timing ring and to feed its decoded output to the said minute luminous dot/line or digital (numeric) ring display or to the said minute numeric display and to actuate the said hour closed timing ring stepping it up by one hour after every sixty minutes and in turn to feed its decoded output to the said hour luminous line or digital (numeric) ring display or to the said hour numeric display to indicate successively the time in hours, minutes and seconds.

CLASS 44. I.C.-GO4C, GO6f 1/04. 138528.

AN ELECTRONIC SOLID STATE AUTOMATIC CALENDS WATCH OR CLOCK.

JASBIR SINGH BAJAJ, 8, JAMSHEDJI TATA ROAD,
CHURCHGATE, CITY OF BOMBAY, STATE OF MAHARASHTRA, INDIA.

Application No. 154/Bom/72 filed December 21, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims.

An electronic solid state automatic calends watch or clock, which sets itself to the first date of every following month, having a logic circuit comprising a hour ring counter cum decoder, a date ring counter cum decoder, a month ring counter cum decoder and a year ring counter cum decoder, all the said counters cum decoders consisting of transfer flip-flops or bistable multi-vibrators and having respectively 24 modulus, 28, 29, 30 or 31 modulus, 12 modulus and 4 modulus and adapted to return to the beginning state after reaching the predetermined maximum state and each adapted to actuate the succeeding one on reaching the said maximum state as herein defined.

APPLICATION FOR REVIEW OF CONTROLLER'S DECISION UNDER SECTION 77(1)(f)

The application made by Shalimer Industries Private Limited for review of the Joint Controller's decision in the opposition under Section 25 of the Patents Act, 1970 filed by them in respect of application for Patent No. 129703, the

filing of which was notified in the Gazette of India, Part III, Section 2 dated the 27 November, 1975 has been dismissed and a patent ordered to be sealed on the said application for patent.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, Hastings Street, Calcutta, at two rupees per copy :—

(1)

81957 104938 106870 109539 109713 109768 109828 109832
109886 109927 109938 110011 110050 110078 110122 110144
110598 110709 110741 111184 111274 111304 111356 111400
111459 111655 111681 111682 111795 111851 111853 111922
111975 111985 112077 112097 112119 112166 112686 112694
112920 113067 113106 113163 113226 113358 113517 113578
113647 113690 113790 113996 114075 114078 114130 114131
114225 114245 114302 114330 114394 114421 114514 114553
114573 114790 114876 114979 114987 114988 115004 115028
115147 115245 115655 115656 115674 115675 115811 116605
116752 116786 116821 117138 119073.

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Electrical Engineering Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under Section 146 (2) of the Patents Act, 1970, in respect of Calendar year 1974 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name & address of the patentee	Brief Title of the Invention
1	2	3	4	5
1.	76051	1-4-61	Roche Ramchand Pardasani, Bhatia Bldg., Dead front fuse units. 87, Ranade Road, Shivaji Park, Dadar, Bombay 400 028.	
2.	96818	2-12-64	Do.	Do.
3.	101151	16-8-65	The Bunker Ramo Corporation, Oakbrook Resistive element and variable resistor. North, Oak Brook, Illinois, U.S.A.	
4.	109960	28-3-67	International Rectifier Corporation, 233 Semiconductor devices. Kansas St., El Segundo, California, U.S.A.	
5.	110704	18-5-67	Globe-Union Inc., Post Office Box 591, Electric circuit element. Milwaukee, Wisconsin, 53201, U.S.A.	
6.	116468	22-6-68	Mark Hurd Aerial Surveys Inc., 345 Pennsylvania, Avenue South, Minneapolis, Minnesota, U.S.A.	Static logic gate circuits.
7.	122175	8-7-69	Mitsubishi Denki Kabushiki Kaisha, No 12, Marinouchi, 2-chome, Chiyoda-ku, Tokyo, Japan.	System for controlling D.C. power.
8.	122619	4-8-69	The Bunker Ramo Corporation, Oakbrook Precision potentiometer. North, Oak Brook, Illinois, U.S.A.	
9.	122798	18-8-69	Mitsubishi Denki Kabushiki Kaisha, No. 12, Marumouchi, 2-chome. Chiyoda-ky, Tokyo, Japan.	System for controlling D.C. power.
10.	123946	10-11-69	Roche Ramchand Pardasani, Bhatia Bldg., Dead front fuse units. 87, Ranade Road, Shivaji Park, Dadar, Bombay-400 028.	
11.	125052	29-1-70	Mitsubishi Denki Kabushiki Kaisha, No. 12, Marinouchi, 2-chome, Chiyoda-ku, Tokyo, Japan.	Control system for electric vehicles.

1	2	3	4	5
12.	125314	16-2-70 Roche Ramchand Pardasani, Bhatia Bldg., 87, Ranade Road, Shivaji Park, Dadar, Bombay-400 028.		Key controlled device for operating electrical circuits.
13.	125555	3-3-70 Siemens AG., of Berlin and Munich, West Germany.		Component assemblies for electric communications or Measuring unit.
14.	125699	29-4-70 Indsen Tolaram Mirchandani, Mount Emi-nence, Off N. Gemadia Rd., Bombay-26.		Electric circuits for reducing or substantially eliminating thermal cycles in electric light bulb and to electric switches
15.	125806	20-3-70 M.M.Suri, B-14, Greater Kailash, New Delhi-48.		Power unit for high speed locomotive employing diesel engine and gas
16.	125956	28-3-70 Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London S.W. 1.		Primer assembly for initiating a blasting agent.
17.	126050	21-1-71 Physical Research Laboratory, of Navrang-pura, Ahmedabad-2, Gujarat.		Electronic apparatus for the measurement of the difference in two frequencies.
18.	126377	27-4-70 Joseph Lucas (Industries) Ltd., of Great King St., Birmingham 19, England.		Electrical system for road vehicles.
19.	126469	1-5-70 Dr. Kurt Herberts & Co., 56 Wuppertal Bur-man, Christbusch 25, Federal Republic of Germany.		Electrical conductor coated by an insulating coating.
20.	126567	8-5-70 USS Engineers and Consultants, Inc., 525 William Penn Blace, Pittsburgh, State of Pennsylvania.		Apparatus and method for protecting a sheet being electroplated with a metal.
21.	126608	11-5-70 Minnesota Mining and Manufacturing Co., 3M Centre, Saint Paul, Minnesota, 55101, U.S.A.		Wire splicing apparatus and method.
22.	126814	26-5-70 Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London S.W. 1, England.		Anode Assembly for electrolytic cells.
23.	126815	26-5-70 Do.		Do.
24.	126841	27-5-70 Industrie Pirelli Societa Per Azioni, Centro Pirelli, Piazza Duca d'Aosta 3, Milan, Italy.		Coaxial cable for the transmission of pulse, modulated signals.
25.	126852	7-8-70 Gould Inc., E-1200, First National Bank Bldg, St. Paul Minnesota, U.S.A.		Making electrical connections through a storage battery wall.
26.	126881	1-6-70 Jakob Zawals, of 86, Julius Jeppe Street, Waterkloof, Pretoria, South Africa.		Apparatus for monitoring students actions.
27.	126943	4-6-70 Union Carbide Corporation, 270 Park Avenue, New York, State of New York, 10017, U.S.A.		Leclanche dry cell.
28.	127032	11-6-70 G.A.V. Limited, of Well Street, Birmingham 919, England.		Electric circuits for increasing the initial rate or rise of current in an inductor in the circuit.
29.	127083	15-6-70 Mitsubishi Denki Kabushiki Kaisham of No. 2-3, 2-chome, Marunouchi Chiyoda-ku, Tokyo, Japan.		System for braking electric motor vehicles.
30.	127151	2-4-71 Council of Scientific and Industrial Research, Raft Marg New Delhi-1.		Preparation of cadmium selenide for use in photo conductive cadmium selenide cells.
31.	127213	27-7-70 Ted Bildplatten Aktiengesellschaft, Aoti, Telefunken, Teldec, Switzerland.		Support for recorded signals.
32.	127358	1-7-70 Associated Electrical Industries Ltd., of Stanhope Gate, London W.1, England.	1.	Protective relayer.
33.	127416	6-7-70 Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S.W. 1, England.		Base plate assembly for mercury cathode cell.
34.	127546	15-7-70 Siemens AG., of Berlin & Munich, West Germany.		Arrangements for measuring currents in high tension conductors.

1	2	3	4	5
35.	127769	28-7-70 Joseph Lucas (Industries) Limited, of Great King St., Birmingham 19, England.		Electrical switches.
36.	127958	10-8-70 Siemens AG, of Berlin & Munich, Germany.	West	Installation comprising an asynchronous electrical machines.
37.	127986	12-8-70 Do.		Method of applying a protective covering to an end of electric cable.
38.	128267	2-9-70 Siemens AG, of Berlin & Munich, Germany.	West	Amplifier regulation arrangement for carrier frequency information transmission.
39.	128341	8-9-70 Ross Operating Valve Company, 120 East Goldengate Avenue, Detroit Michigan, U.S.A.		Solenoid valve.
40.	128427	14-9-70 VDO Tachometer, werke Adolf Schindling GmbH, of 6 Frankfurt am Main 90 Postfach, Federal Republic of Germany.		Magnetic arrangement to constitute a rotor for eddy current tachometer.
41.	128498	19-9-70 Essex International Inc., 1601 Wall Street, Fort Wayne, Indiana 46804, U.S.A.		Pressure sensitive combination switch and circuit breaker construction.
42.	128535	22-9-70 Rhone-Progil, 25 Quai Paul Doumer 92408 Courbevoie, France.		Electrolysis trough.
43.	128540	22-9-70 Joseph Lucas (Industries) Ltd., of Great King St., Birmingham 19, England.		Apparatus for testing electromagnetic horns.
44.	128591	25-9-70 Siemens Aktiengesellschaft, Berlin and Munich, West Germany.		A spark gap assembly for a surge arrester.
45.	128669	30-9-70 Chloride Batteries Australia, Ltd., 55 Bryant St., Padstow, New South Wales, 2211, Commonwealth of Australia.		Inter-cell connector arrangement for multio cell batteries.
46.	128683	3-10-70 Gould Inc., of E-1200, First National Bank Bldg., P.O. Box 3140, Minnesota, U.S.A.		Method of casting battery plate connecting tugs onto a connecting strap.
47.	128805	13-10-70 General Electric Co., 1 River Road, Schenectady, New York, U.S.A.		An electric cable encased with a thermo setting insulation composition.
48.	128858	17-10-70 Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.		Device for producing ultra sonic power.
49.	128871	17-10-70 Industries Pirelli Societa Per Azioni, Centro Pirelli, Piazza Duca d'Aosta 3, Milan, Italy.		Flame proof cable.
50.	128893	19-10-70 E.M. Koes, of 4907, Beo sho, Mission Kan-was 66205, U.S.A.		Educational television system.
51.	128943	22-10-70 British Insulated Callender's Cables Ltd., 21 Bloomsbury St., London, W.C. 1, England.		Electric cables.
52.	128947	22-10-70 Do.		Do.
53.	129017	27-10-72 Westinghouse Air Brake Company, Pittsburgh, State of Pennsylvania, U.S.A.		Relay valve device for interposition between a brake control pipe and brake cylinder on railway vehicle.
54.	129034	28-8-71 Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.		Dry cells.
55.	129112	4-11-70 Joseph Lucas Industries Ltd., Great King St., Birmingham 19, England.		Electro magnets.
56.	129134	23-7-71 Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.		Electro galvanisation of steel wires.
57.	129140	7-11-70 Joseph Lucas Industries Ltd., of Great King St, Birmingham 19, England.		Ceramic magnets containing strontium or barium ferrite.
58.	129367	24-11-70 Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S.W.1.		Apparatus for laying explosive charges for seismic prospecting.

1	2	3	4	5
59.	129428	28-11-70	Telefonaktisbolaget L M Ericsson, Stockholm 32, Sweden.	Electric thread shaped conductor.
60.	129519	7-12-70	The English Electric Company, Bush House, Aldwych, London WC2B 40J, England.	Relay power supply.
61.	129520	7-12-70	Joseph Lucas Industries Ltd., of Great King St, Birmingham 19, England.	Rotary electrical machines.
62.	129644	17-12-70	Kawasaki Steel Corporation, of No. 1, 1-chome, Kitakoucho-Dori, Kobe City, Japan.	Method of forming electric insulating coating on the surface of silicon steel sheet.
63.	129670	21-12-70	Joseph Lucas (Industries) Ltd., of Great King St., Birmingham 19, England.	Electrical systems for road vehicles.
64.	129708	23-12-70	H. K. Porter Company, Inc., of 2437 Fulton St., Chicago, Illinois 60612, U. S. A.	Apparatus for breaking electric circuits.
65.	129723	24-12-70	RCA Corporation, David Sarnoff Research Centre, Princeton, New Jersey 08540, U.S.A.	Monopulse multimode feed system.
66.	129823	2-1-71	Nippon Electric Company Ltd., of 7-15 Shiba Gochome, Minato-ku, Tokyo-to, Japan.	Automatic level control system for a carrier transmission system.
67.	129878	8-1-71	Union Carbide Corporation, 270 Park Avenue, New York, State of New York, 10017, U.S.A.	Constant potential AC consumable electrode welding.
68.	129879	8-1-71	Do.	Apparatus for stabilizing an AC aro.
69.	129882	8-1-71	Siemens AG, of Berlin and Munich, West Germany.	Printed circuit board.
70.	129883	8-1-71	Globe Union Inc., 5757 M. Greenbay Avenue, Milwaukee, Wisconsin, 53201, U.S.A.	Electrical resistor element having a resistive coating.
71.	129998	19-1-71	Ethicon, Sommerville, New Jersey, U.S.A.	Electro polishing of drilled surgical needles.
72.	130069	27-1-71	Siemens AG, of Berlin & Munich, West Germany.	Apparatus for diffusing doping substances into semiconductor materials.
73.	130070	27-1-71	Do.	Hollow bodies of semiconductor materials.
74.	130071	27-1-71	Do.	Hollow bodies of semiconductor materials.
75.	130116	30-1-71	The Bendix Corporation, Bendix Centre, Southfield, Michigan, U.S.A.	Electrical apparatus for storing the positive and negative extremes of analog input signals
76.	130123	1-2-71	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Battery system incorporating tin anode.
77.	130218	9-2-71	Siemens AG, of Berlin & Munich, West Germany.	Terminal seals for insulated cables or conductors.
78.	130283	16-2-71	Do.	Pulse regenerator circuits for pulse code modulation system.
79.	130285	16-2-71	Do.	Signal channel combination system.
80.	130298	17-2-71	USS Engineers and Consultants, Inc., 600 Grant Street pittsburgh, State of Pennsylvania, U.S.A.	Contact assembly in a rotary type plating apparatus.
81.	130364	25-2-71	Westinghouse Air Brake Company, Located at Pittsburgh, State of Pennsylvania, U.S.A.	Automatic electric line coupler with removable contact unit in railway cars.
82.	130443	31-8-71	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Domestic iron removal unit.
83.	130477	5-3-71	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S.W. 1, England.	Electrodes for chemical processes.
84.	130505	9-3-71	Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Electrical switches.

1	2	3	4	5
85.	130509	9-3-71 C.A.V. Limited, Well Street, Birmingham 19, England.	Vehicle transmission control system.	
86.	130525	11-3-71 Joseph Lucas (Industries) Ltd., of Great King St., Birmingham 19, England.	Electromagnetic horns.	
87.	130552	16-3-71 Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Micro reactor for reaction gas chromatography incorporating dual channels.	
88.	130632	19-3-71 The Bendix Corporation, The Bendix Centre, Southfield, Michigan 48075.	Automatic beat frequency oscillator switch for an air born automatic direction finder.	
89.	130634	19-3-71 Essex International Inc., 1601 Wall Street, Fort Wayne, Indiana 46804, U.S.A.	Current control apparatus.	
90.	130635	19-3-71 C.A.V. Ltd., of Wall Street, Birmingham 19, England.	Electrical switches.	
91.	130688	23-3-71 Marston Excelsior Ltd., of Wobaston Road, Ford houses, Wolverhampton, Staffordshire, England.	Electrodes.	
92.	130704	24-3-71 Joseph Lucas (Industries) Ltd. of Great King St., Birmingham 19, England.	Electrical switches.	
93.	130741	26-3-71 Fabrica Italiana Magneti Marelli S. P. A., of via Guastalla 2, Milano, Italy.	Electronic device for regulating the voltage of alternators.	
94.	130766	29-3-71 Joseph Lucas (Industries) Ltd., of Great King St., Birmingham 19, England.	Electrical components.	
95.	130788	4-10-71 Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Lead chloride water activated cell system.	
96.	130823	2-4-71 Westinghouse Electric Corp., Pittsburgh, Pennsylvania, U.S.A.	Lighting units.	
97.	130893	8-4-71 Joseph Lucas (Industries) Ltd., of Great King St. Birmingham, 19, England.	Electrical switches.	
98.	130988	14-4-71 Gobe Union Inc., of 5757, N. A. Green Bay Avenue, Milwaukee, Wisconsin, U.S.A.	Storage batteries.	
99.	131026	21-6-71 RCA Corporation, David Sarnoff Research Centre, Princeton, N.J. 08540, U.S.A.	Atmosphere mode exciter and a multimode exciter system using same.	
100.	131029	19-4-71 Joseph Lucas (Industries) Ltd., of Great King St., Birmingham 19, England.	Lamp failure warning system for road vehicles.	
101.	131160	28-8-71 The Bunker Ramo Corporation, of Oakbrook North, Oak Brook, Illinois, U.S.A.	Trimming resistance circuit.	
102.	131166	28-4-71 Libbey Owens Ford Co., of 811, Madison Avenue, Toledo, Ohio, U.S.A.	Electrically heated automatic windows.	
103.	131263	6-5-71 Joseph Lucas (Industries) Ltd., of Great King St., Birmingham 19, England.	Electrical lamp assemblies.	
104.	131264	6-5-71 Fabrica Italiana Magneti Marelli S.p. A., of via Guastalla 2, Milano, Italy.	Electronic device for controlling a silicon controlled rectifier in a capacitor discharge electronic ignition circuit.	
105.	131288	7-5-71 E. Scheubeck, of 5, Eichenstrasse, Zeitlann, Regensburg, Federal Republic of Germany.	Stage selector for regulating transformer.	
106.	131290	7-5-71 Ustav Pro Vyzkum Rud, of Praha 4, Modranska 23, Czechoslovakia.	High intensity multi-zone magnetic separator.	
107.	131328	12-5-71 Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S.W. 1, England.	Bipolar unit for electrolytic cell.	
108.	131347	13-5-71 Joseph Lucas (Industries) Ltd., of Great King St., Birmingham 19, England.	Voltage regulators for use in battery charging systems.	
109.	131454	21-5-71 General Electric Co., 1600 Oregon Street, Muscatine, Iowa 52761, U.S.A.	Selection system for coupling a press elected current generator to mainlines carrying alternating current.	

1	2	3	4	5
110.	131462	22-5-71 Joseph Lucas (Industries) Ltd., of Great King St., Birmingham 19, England.	Battery charging systems for road vehicles.	
111.	131474	24-5-71 RCA Corporation, David Sarnoff Research Centre, Princeton, New Jersey 08540, U.S.A.	Semi conductor device.	
112.	131523	28-5-71 Joseph Lucas (Industries) Ltd., of Great King St., Birmingham 19, England.	Electrical lamp assembly for road vehicles.	
113.	131534	29-6-71 Do.	Electrical switches.	
114.	131548	31-6-71 RCA Corporation, David Sarnoff Research Centre, Princeton, New Jersey 08540, U.S.A.	Contact structure for semi conductor Device.	
115.	131549	31-6-71 Do.	Insulated gate field-effect transistor.	
116.	131647	8-6-71 The Bunker Ramo Corporation, of Oakbrook North, Oak Brook, Illinois, U.S.A.	Non explosive electrically initiated heat-ignitable actuator.	
117.	131698	14-6-71 Matsushita Electric Etc. 1066, Oazokidoma, Kadōmo-shi, Osaka, Japan.	Dry cells.	
118.	131830	22-6-71 Allied Chemical Corporation, of 61 Broadway, New York 6, New York, U.S.A.	Apparatus for cooling and insulating electrical equipment.	
119.	131852	23-6-71 Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S.W. 1, England.	Method of stripping of coated titanium electrodes for re-coating.	
120.	131897	28-6-71 Vedecko-Vyzkuny Uhelný, of Ostrava, Rájivnice, Czechoslovakia.	Equipment for the continuous automatic seismoacoustic measurements of the dynamic noise variations within rockmass.	
121.	131900	28-3-72 Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Heat treatment of etched aluminium and its alloy for use electrodes in aluminium electrolytic capacitor.	
122.	131910	29-6-71 RCA Corporation, David Sarnoff Research Centre, Princeton, New Jersey 08540, U.S.A.	Method of doing a semi conductor wate .	
123.	131925	30-6-71 Union Carbide Corporation, 270 Park Avenue, New York, New York 10017, U.S.A.	Electrically conductive composite articles.	
124.	131944	29-1-72 S. V. Padmanabhan, of Research Design & Standard Organisation, Ministry of Railway, Lucknow-5.	Electronic high speed and fail safe latched relay.	
125.	131955	1-7-71 Expert Industrial Controls Ltd., of Lount Works, Lount, Ashley-do-la-Leicester shire, England.	Electro magnetic devices.	
126.	132015	7-7-71 Energy Sciences, Inc., 111 Terrace Hall Avenue, Burlington, Massachusetts, U.S.A.	Electron producing apparatus.	
127.	132029	8-7-71 Carrier Corporation, Syracuse, New York, U.S.A.	Hermetic motor compressor unit.	
128.	132040	27-5-72 Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Electrolyte for the aluminium electrolytic capacitors.	
129.	132077	12-7-71 RCA Corporation, David Sarnoff Research Centre, Princeton, New Jersey 08540, U.S.A.	Transistors.	
130.	132129	15-7-71 British Insulated Callender's Cables Ltd., of 21, Bloomsbury St, London W.C. 1, England.	Clips suitable for use in supporting overhead contact wires in electric traction system.	
131.	132158	19-7-71 Joseph Lucas (Industries) Ltd., of Great King St., Birmingham 19, England.	Contact breaker assemblies for ignition distributors.	
132.	132174	20-7-71 Do.	Ignition distributors for road vehicles.	
133.	132215	23-7-71 Sherritt Gordon Mines Ltd., 25 King Street West, Toronto, Ontario Canada.	Electrostatic precipitation and gas sampling system.	
134.	132241	26-7-71 Dr. Beck & Co. AG., of Eiselensweg, 2 Hamburg 28, Federal Republic of Germany.	Process for insulating electrical conductors with heat resistant resins.	
135.	132265	27-7-71 Joseph Lucas (Industries) Ltd., of Great King St., Birmingham 9, England.	Battery charging system for road vehicles.	

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136.	132277	28-7-71 Union Carbide Corporation, 270 Park Avenue, New York, New York 10017, U.S.A.	Primary drycells.	
137.	132279	28-7-71 Girling Ltd., of Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Servo motors.	
138.	132283	28-7-71 Burroughs Corp., of Second Avenue of Burroughs, Detroit, Michigan 48232, U.S.A.	Display device.	
139.	132307	30-7-71 Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Electrical switches.	
140.	132321	2-8-71 RCA Corporation, David Sarnoff Research Centre, Princeton, New Jersey 08540, U.S.A.	Semi conductor device.	
141.	132356	3-8-71 Siemens AG., Willischachieplatz & 8000, Munchen-2, West Germany.	Phase modulators.	
142.	132409	6-8-71 Siemens AG, of Berlin & Munich, West Germany.	Apparatus for controlling a line commutated current converter.	
143.	132418	7-8-71 Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Electrical switches.	
144.	132455	10-8-71 Siemens AG, Berlin & Munich, Germany (West)	Duplex information transmission system.	
145.	132468	11-8-71 Do.	Diffusion of doping materials into wafer of semi conductor materials.	
146.	132547	17-8-71 RCA Corporation, David Sarnoff Research Centre, Princeton, New Jersey 08540, U.S.A.	Semi conductor device.	
147.	132605	21-8-71 Combustion Engg. Inc., of 1000 Prospect Hill Road, Windsor, State of Connecticut, U.S.A.	Apparatus for initiating the heat generation phase of an electric slag refining process.	
148.	132623	23-8-71 Telephon-U., Telegraphen-Fabriks-Aktiengesellschaft Kapisch & Sohne IN Wien, of Wagenseilgasse 1, Wien 12, Austria.	Primary cells.	
149.	132639	24-8-71 Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Electrical switch assemblies.	
150.	132681	26-8-71 Eastman Kodak Company, 343 State Street, Rochester, New York, 14650, U.S.A.	Process for increasing radiation sensitivity of photographs silver halide emulsion layer.	
151.	132733	1-9-71 RCA Corporation, of 30 Rockefeller Plaza, New York, New York 10020, U.S.A.	Method for making transistors including base sheet resistively determining step.	
152.	132784	4-9-71 Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Electrical switches.	
153.	132864	10-9-71 Corning Glass Works, Corning State of New York, U.S.A.	Control systems for electric furnaces.	
154.	132924	16-11-72 Roche Ramchand Pardasani, Bhatia Bldg, 87 Ranade Road, Shivaji Park, Dadar, Bombay 400 028.	Inter communication set apparatus.	
155.	133065	1-10-71 Libbey Owens Ford Co., of 811, Madison Avenue, Toledo, Ohio, U.S.A.	Safety circuit control device for automotive vehicles.	
156.	133100	4-10-71 Union Carbide Corporation, 270 Park Avenue, New York, New York 10017, U.S.A.	Automatic process for regulating the optimum current required for producing quality controlled metallurgical products.	
157.	133135	6-10-71 Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden.	Switch disconnecter.	
158.	133136	6-10-71 Siemens AG, of Berlin & Munich, West Germany.	Method of applying a synthetic plastic covering to an electric cable with polyolefin covering.	
159.	133157	7-12-72 Richo Ramchand Pardasani, Bhatia Bldg, 87, Ranade Road, Shivaji Park, Dadar, Bombay 4000 28.	Fuse controlled device for operating electric circuit.	

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160.	133161	3-10-72	The University of Kerala, of Trivandrum 1, Kerala.	Method of developing a sensible photo conductor element of an electro photographic copying machine.
161.	133163	7-10-71	Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Control circuits for vehicle window lift mechanism.
162.	133173	8-10-71	Westinghouse Brake and Signal Co. Ltd., of 82 York way, King's Cross, London No. 9AG, England.	Static relaying circuit.
163.	133232	14-10-71	The Air Preheater Co., of Andover Road, Well villa, New York, U.S.A.	Flux depth indicator.
164.	133244	15-10-71	The Bunker Ramo Corporation, of Oakbrook North, Oak Brook, Illinois, U.S.A.	Trimmer potentiometer.
165.	133261	17-10-71	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-I.	Device for cold starting of I. C. engines by priming starter fluid.
166.	133282	20-10-71	Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Lamp failure warning system.
167.	133348	25-10-71	Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Electrical switches.
168.	133350	25-10-71	Siemens AG, Berlin & Munich, West Germany.	Electrical switch.
169.	133351	25-10-71	Matsushita Electric Industrial Co., 1006 Oaza Kadoma, Kadoma-shi, Osaka, Japan.	Variable condenser.
170.	133362	11-5-70	Minnesota Mining and Manufacturing Co., of 3M Center, Saint Paul, Minnesota U.S.A.	Assembly station for use in splicing of communication cables.
171.	133363	11-5-70	Do.	Probe member for verifying electrical connection, for use in splicing of communication cables.
172.	133365	26-10-71	Siemens AG, of Berlin and Munich, West Germany.	Deposition of crystalline semi conductor materials.
173.	133374	27-10-71	Fabrica Italiana Magneti Marelli S. p. A., of via Guastalla, 2 Milano, Italy.	Electronic position transducer for control members.
174.	133412	29-10-71	Pirelli General Cable Works Ltd., 343/5 Euston Rd, London N.W.1, England.	Electric cable.
175.	133458	3-11-71	British Insulated Callender's Cables Ltd., of 21 Bloomsbury St, London W.C.1, England.	Section insulator for use in overhead conductors of electric traction systems.
176.	133497	5-11-71	Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Electrical switches.
177.	133513	6-11-71	Do.	Electro magnetic relays.
178.	133609	15-11-71	Allamanna Svenska Elektriska Aktiebolaget, of Vasteras, Sweden.	Disconnectible electric contact device.
179.	133623	15-11-71	Raytheon Company, of Lexington County, of Middlesex, Commonwealth of Massachusetts, U.S.A.	Solid state junction device.
180.	133667	18-11-71	Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Ignition switches
181.	133685	19-11-71	Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Electro magnetic actuating device for a fuel valve for an internal combustion engine.
82.	133706	23-11-71	Do.	Contact breaker assembly.
93.	133740	25-11-71	Fairchild Camera, 464 Ellis Street, Mountain view, California, 94040, U.S.A.	Method of fabricating integrated circuits with oxidized isolation.
14.	133774	27-11-71	Joseph Lucas (Industries) Ltd., Great King Street, Birmingham 19, England.	Voltage regulators.
5.	133785	29-11-71	Siemens AG, Berlin & Munich, Germany (West).	W. H. F. heterodyne circuits.

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186.	133818	1-12-71	Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Solenoid for use in an engine starting mechanism.
187.	133830	2-12-71	Do.	Direction indicator switches.
188.	133831	2-12-71	Industria Pirelli Societa Per Azioni, of Centre Pirelli, Piazza Duca d'Aosta 3, Milan, Italy.	Electricity distribution cable.
189.	133925	13-12-71	The English Electric Company Ltd., of 1 Stanhope Gate, London S.A. IEH, England.	High voltage monitoring system.
190.	134022	21-12-71	Girling Ltd., of Kings Road, Tyseley, Birmingham 11, England.	Servo motors.
191.	134176	4-1-72	Eastman Kodak Company, 343 State Street, Rochester, New York, 14650, U.S.A.	Apparatus for sensitometry of a liquid photo sensitive emulsion.
192.	134181	14-1-72	Tecumseh Products Company, of Ottawa and Patterson Streets, Tecumseh, State of Michigan 49286, U.S.A.	Electric motors of motor compressor units.
193.	134216	7-1-72	Joseph Lucas (Industries) Ltd., Great King St, Birmingham 19, England.	Electrical switches.
194.	134282	14-1-72	Do.	Electrical switch and lock assembly for use in vehicle.
195.	134306	18-1-72	Do.	Electrical switches.
196.	134340	20-1-72	Joseph Lucas (Industries) Ltd., Great King St, Birmingham 19, England.	Dynamo electric machines.
197.	134354	22-1-72	Do.	Do.
198.	134356	22-1-72	Do.	Battery charging systems for road vehicles.
199.	134363	24-1-72	Do.	Do.
200.	134371	24-1-72	E. Schubbeck, of 5, Eichenstrasse, 2 eitlarn, Regenburg, West Germany.	Stopping switch for regulating transformers.
201.	134573	10-2-72	Siemens AG, Berlin and Munich, West Germany.	Oscillator frequency control.
202.	134609	14-2-72	Joseph Lucas (Industries) Ltd., of Great King St. Birmingham 19, England.	Electric switch arrangements.
203.	134700	22-2-72	Delle-Asthom, of 130 rue Leon Blum, 69 Villeurbane, France.	Elongated insulator for an electric circuit breaker.
204.	134741	24-2-72	Siemens AG, Berlin & Munich, Germany (West)	Pulse transmitter for triggering a thyristor.
205.	134749	25-2-72	Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Dynamo electric machines.
206.	134752	25-2-72	Do.	Electro-magnetic relay arrangement.
207.	134762	28-2-72	Do.	Electrical switches.
208.	134876	8-3-72	Westinghouse Electric Corporation of Westinghouse Bldg., Gateway Centre, Pittsburgh, Pennsylvania, U.S.A.	Metallic plate type of arachute for a switch.
209.	134968	17-3-72	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S.W. 1, England.	Fuse cord.
210.	135007	21-3-72	North American Rockwell Corporation, North American Rockwell Bldg., Pittsburgh, Pennsylvania, U.S.A.	Electro magnetic position pick of assembly.
211.	135337	19-4-72	Dana Corporation, 4500 Dorr Street Toledo, Ohio, U.S.A.	Planetary transmission.
212.	135386	19-4-71	RCA Corporation, David Sarnoff Research, Princeton, N.J. 08540, U.S.A.	Valve guide system.
213.	135405	8-7-71	Carrier Corporation, Syracuse, New York, U.S.A.	Herme motor compressor unit.

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214.	135475	13-7-72 C.A.V. Ltd., of Well St, Birmingham 19, England.		Drive circuits.
215.	135498	8-9-72 Siemens AG, Berlin & Munich, West Germany.	Circuit arrangement for generating two amplitude stabilised sinusoidal signals which are 90° out of phase relative to one another.	
216.	135500	19-5-72 Globe Union Inc., of 5757, N. Green Bay Avenue, Milwaukee, Wisconsin, U.S.A.		Electronic circuit package.
217.	135558	8-3-72 RCA Corporation, David Sarnoff Research Centre, Princeton, New Jersey 08540, U.S.A.		Semiconductor device.
218.	135559	8-3-72 Do.		Do.
219.	135569	4-5-72 Do.		Semiconductor devices having stable high voltage junctions.
220.	135672	20-10-72 Senwa Electric Works Ltd., of 7-23, Maka-machi-1-chome-Kaganei-shi, Japan.	Circuit Tester.	
221.	135677	8-8-72 Societe Francaise D'Electrometallurgie, of 10 rue de General Foy, Paris 80, France.	Assembly of carbon or graphite electrodes.	
222.	135679	10-8-72 Gestetner Ltd., Fawley Road, Tottenham, London N. 17, England.	Electro photographic sheet.	
223.	135716	7-9-72 General Electric Co., 1 River Road, Schenectady 5, New York, U.S.A.	Vertical induction motor.	
224.	135731	1-11-72 Siemens AG, Berlin & Munich, Germany (West)	Relay station for use in a telecommunication transmission system.	
225.	135733	31-5-72 Do.	Frequency band width divider circuit arrangement.	
226.	135943	30-10-72 Stora Koparbergs, Falun, Sweden.	Method for simultaneous production of electrical energy and crude iron.	
227.	135984	28-4-72 Massey Ferguson Inc., of 12601, Southfield Road, Detroit, Michigan, U.S.A.	Multi-radio transmission and controls therefor.	
228.	136011	8-6-71 Udylite Corporation, Detroit, Michigan, U.S.A.	Process for charging the battery.	
229.	136022	8-8-72 Bunker Ramo Corp., of 900 Commerce Drive, Oak Brook, Illinois, U.S.A.	Multi-contact connector.	
230.	136036	17-7-72 United Aircraft Corp., 5 Eichenstrasse, Zeelstern Regensburg, West Germany.	Regulating transformers.	

PATENTS SEALED

77284 78342 80843 106955 108691 113601 131175 134635
 136888 136900 136901 136902 136905 136907 136911 136912
 136913 136914 136924 136930 136931 136935 136939 136941
 136947 136953 136995 137007 137009 137010 137016 137017
 137020 137023 137025 137054 137062 137097.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The claim made by MANGAI LAL MALHOTRA under Section 20(1) of the Patents Act, 1970 to proceed the application for patent No. 130941 in their name has been allowed.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that American Cyanamid Company, a corporation organised and existing under the laws of the state of Maine, United States of America of, Wayne, New Jersey, U.S.A., have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 107629 for "Production of

an antibiotic by fermentation". The amendments are by way of correction so as to define the invention more clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

74943 74962 74981 74982 75001 75023 75228 80192 80629
 80756 80861 81077 81796 85380 85475 86036 86658 86659
 88073 91276 92304 92729 92784 92829 97419 97474 97550
 97832 97903 97972 98138 98300 99956 103299 103725 103937
 103946 104035 106382 108967 109153 109186 109237 109434
 109765 109938 113944 114166 114179 114466 114525 114553

114626 114723 114786 114822 115077 116024 119278 119334
 119335 119394 119395 119516 119630 119756 119787 119793
 119857 120086 120095 120233 121141 123692 124077 124488
 124492 124501 124503 124811 124817 124859 124862 124971
 124972 124976 124994 125252 125356 125400 125406 125415
 125677 125678 125679 125704 125717 125718 125752 125753
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 130254 130260 130328 130348 130371 130727 131396 131517
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 134357 134392 134449 134489 134557 134669 134713 134846
 136872 134955 135061 135093 135272 135331 135364 135499
 135612 135985 136017 136199 136246 136256 136313 136322
 136447 136450 136478 136497 136516 136520 136521 136525
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 136701 136702 136704 136707 136712 136713 136714 136715
 136716 136722 136723 136726 136734 136740 136741 136750
 136754 136755 136756 136762 136774 136803 136826 137088.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 133961 dated 25th August, 1972 made by Council of Scientific and Industrial Research on the 23rd August, 1975, and notified in the Gazette of India, Part III, Section 2 dated 27th September, 1975 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 135612 dated 27th July, 1972 made by Tsentralny Nauchno-Issledovatel'skiy Proektny Institut Lesokhimicheskoi Promyshlennosti on the 10th September, 1975, and notified in the Gazette of India, Part III, Section 2 dated 25th October, 1975 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

- Class 1. No. 143393. Ajit Radio Corporation Pvt. Ltd., of 49/51, Vithaldas Road, Lohar Chawl, Bombay-2, Maharashtra, India, an Indian Company. "A choke cover". September 9, 1975.
- Class 3. No. 143360. Allied Instruments Pvt. Ltd., a Company incorporated under the Indian Companies Act, 1956, of 30-C, D, Govt., Industrial Estate, Kandivali, Bombay-400 067 Maharashtra, India. "Tray", August 27, 1975.
- Class 3. No. 143361. Allied Instruments Pvt. Ltd., a Company incorporated under the Indian Companies

Act, 1956, of 30-C, D, Govt., Industrial Estate, Kandivali, Bombay-400 067, Maharashtra, India. "Scale". August 27, 1975.

Class 3. No. 143394. Chakori Art Industries, Niveta Road, Malad (East), Bombay-400064, Maharashtra, India, an Indian Partnership Firm. Indian National. "Electric switch". August 29, 1975.

Class 3. No. 143425. Hema Bhargava & Company, 33, Anjali, Near Radio Club, Colaba, Bombay-400005, Maharashtra, India. An Indian proprietary concern. Indian National. "Baby spoon". September 22, 1975.

Class 3. No. 143426. Hema Bharvava & Company, 33, Anjali, near Radio Club, Colaba, Bombay-400005, Maharashtra, India. An Indian proprietary concern. Indian National "Dish". September 22, 1975.

Class 3. No. 143427. Hema Bhargava & Company, 33, Anjali, near Radio Club, Colaba, Bombay-400005, Maharashtra, India, an Indian proprietary concern. Indian National, "Dish with lid". September 22, 1975.

Class 3. No. 143503. J. K. Helene Curtis Limited, a Public Limited Company incorporated in India under the Indian Companies Act, at J. K. Building, Dougall Road, Ballard Estate, Bombay-1, State of Maharashtra, India. Indian National "A cap of a bottle". October 17, 1975.

Class 3. No. 143513. Jagadish Engineering Industries, Dharampur Road, Post Abrama, Valsad, Gujarat State, an Indian Partnership Firm. Indian National. "Ignition coil". October 18, 1975.

Class 3. No. 143514. Breast Beauty Stores, Shop No. 44, Dadar Department Stores, Opp. Kabutarkhana, M. C. Jayle Marg, Dadar (W. Rly.), Bombay-400028, Maharashtra, India. An Indian proprietary firm. An Indian National. "Breast pump". October 18, 1975.

Class 3. No. 143525. Plastella, An Indian Registered Partnership Firm, at 63, Sutar Chawl, Bombay-2, Maharashtra, India. Indian Citizen. "A comb". October 21, 1975.

Class 3. No. 143529. Hind Glass Industries, An Indian Partnership Firm, at Pranjivan Building, Narayan Dhuru Lane, Abdul Rehman Street, Bombay-400003, Maharashtra, India. Indian Citizen. "A mirror frame". October 25, 1975.

Class 3. No. 143530. R. M. Arora & Son (H.U.F.), a business concern of Hindu Undivided Family, Manufacturers and Merchants, whose Karta is Rajinder Mohan Arora, an Indian both of 208, Bowbazar Street, Calcutta-700012, West Bengal, India. "Camera". October 28, 1975.

Class 3. No. 143531. Swastik Art Industries. An Indian Partnership Firm, of P.O. Box 7615, Ram Baug, S. V. Road, Malad, Bombay-400064, Maharashtra, India. Indians. "Frame". October 31, 1975.

S. VEDARAMAN,
Controller-General of Patents, Designs
and Trade Marks.

